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20. An apparatus according to claim ~~1~~, wherein said laser beam is a harmonic of a laser.

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21. An apparatus according to claim ~~1~~ further comprising a stage for holding a substrate having a semiconductor film thereon,
wherein said semiconductor film is crystallized by irradiating with the laser beam.
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22. An apparatus according to claim ~~1~~ wherein said optical system for overlapping divided laser beams is a convex lens.

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23. An apparatus according to claim ~~1~~, wherein said laser beam is a harmonic of a laser.

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24. An apparatus according to claim ~~1~~ further comprising a stage for holding a substrate having a semiconductor film thereon,
wherein said semiconductor film is crystallized by irradiating with the laser beam.

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25. An apparatus according to claim ~~1~~ wherein said optical system for overlapping divided laser beams is a convex lens.

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26. An apparatus according to claim ~~1~~, wherein said laser beam is a harmonic of a laser.

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27. An apparatus according to claim ~~1~~ further comprising a stage for holding a substrate having a semiconductor film thereon,
wherein said semiconductor film is crystallized by irradiating with the laser beam.

~~28~~ 29. An apparatus according to claim ~~8~~ wherein said slit comprises at least one of the group consisting of glass, quartz, ceramic, and metal.

~~29~~ 30. An apparatus according to claim ~~8~~ wherein said optical system for overlapping divided laser beams is a convex lens.

~~30~~ 31. An apparatus according to claim ~~8~~, wherein said laser beam is a harmonic of a laser.

~~31~~ 32. An apparatus according to claim ~~11~~ further comprising a stage for holding a substrate having a semiconductor film thereon,
wherein said semiconductor film is crystallized by irradiating with the laser beam.

~~32~~ 33. An apparatus according to claim ~~11~~ wherein said slit comprises at least one of the group consisting of glass, quartz, ceramic, and metal.

~~33~~ 34. An apparatus according to claim ~~11~~ wherein said optical system for overlapping divided laser beams is a convex lens.

~~34~~ 35. An apparatus according to claim ~~11~~, wherein said laser beam is a harmonic of a laser.

~~35~~ 36. An apparatus according to claim ~~11~~ further comprising a stage for holding a substrate having a semiconductor film thereon,
wherein said semiconductor film is crystallized by irradiating with the laser beam.

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37. An apparatus according to claim 14, wherein said optical system for overlapping divided laser beams is a convex lens.

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38. An apparatus according to claim 14, wherein said laser beam is a harmonic of a laser.--